

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: **Brett P. Monia et al.**

Serial No.: **Not yet assigned** Group Art Unit: **1635**

Filed: **Concurrently herewith** Examiner: **Janet L. Epps Ford**

Title: **ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 6 EXPRESSION**

**EXPRESS MAIL INFORMATION
EXPRESS MAIL LABEL NO: EL964555237US**

DATE OF DEPOSIT: February 9, 2004

Mail Stop: Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

SIR:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the attached PTO-1449 forms submitted herewith.

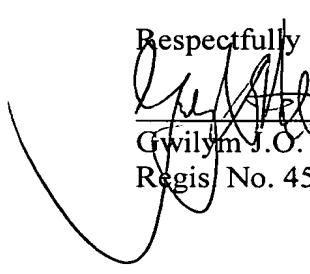
Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

Copies of the references cited on the attached PTO-1449 and PTO-892 forms can be found in the parent case, U.S. Serial No. 10/199,221, filed July 18, 2002.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or certification is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,


Gwilym J.O. Attwell
Regis No. 45,449

Enclosures:

PTO-1449 (2 sheets)
PTO-892 (1 sheet)

Dated: February 9, 2004

Cozen O'Connor
1900 Market Street
Philadelphia, PA 19103
Tel: 215.665.2000
Fax: 215.665.2013

BEST AVAILABLE COPY

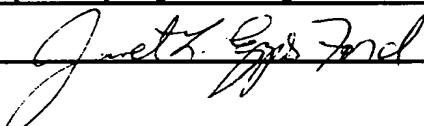
DOCKET NO. : PTS-0009

"Express Mail" Label No.: EL918915
Date of Deposit: July 18, 2002

Form PTO-1449 Modified		Docket No. PTS-0009	Serial No. not yet assigned 10/199,221
List of Patents and Publications Cited by Application (Use several sheets if necessary)		Applicant Brett P. Monia et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date herewith	Group 1635
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<i>JL</i>	AA	Camps et al., Induction of the mitogen-activated protein kinase phosphatase MKP3 by nerve growth factor in differentiating PC12, FEBS Lett., 1998, 425:271-276	
<i>JL</i>	AB	Furukawa et al., Genomic analysis of DUSP6, a dual specificity MAP kinase phosphatase, in pancreatic cancer, Cytogenet. Cell Genet., 1998, 82:156-159	
	AC	Hirabayashi et al., Conditional expression of the dual-specificity phosphatase PYST1/MKP-3 inhibits phosphorylation of cytosolic phospholipase A2 in Chinese hamster ovary cells, Biochem. Biophys. Res. Commun., 1998, 253:485-488	
	AD	Keyse, Protein phosphatases and the regulation of mitogen-activated protein kinase signalling, Current Opinion in Cell Biology, 2000, 12:186-192	
	AE	Muda et al., MKP-3, a novel cytosolic protein-tyrosine phosphatase that exemplifies a new class of mitogen-activated protein kinase phosphatase, J. Biol. Chem., 1996, 271:4319-4326	
	AF	Reffas et al., Compartment-specific regulation of extracellular signal-regulated kinase (ERK) and c-Jun N-terminal kinase (JNK) mitogen-activated protein kinases (MAPKs) by ERK-dependent and non-ERK-dependent inductions of MAPK phosphatase (MKP)-3 and MKP-1 in differentiating P19 cells, Biochem. J., 2000, 352:701-708	
	AG	Rice et al., A targeted library of small-molecule, tyrosine, and dual-specificity phosphatase inhibitors derived from a rational core design and random side chain variation, Biochemistry, 1997, 36:15965-15974	
	AH	Rossig et al., Nitric oxide down-regulates MKP-3 mRNA levels: involvement in endothelial cell protection from apoptosis, J. Biol. Chem., 2000, 275:25502-25507	
<i>JL</i>	AI	(67) Smith et al., Chromosomal localization of three human dual specificity phosphatase genes (DUSP4, DUSP6, and DUSP7), Genomics, 1997, 42:524-527	
EXAMINER <i>Janet H. Park</i>	DATE CONSIDERED <i>5-07-03</i>		

BEST AVAILABLE COPY

DOCKET NO.: PTS-0009

Form PTO-1449 Modified		Docket No. PTS-0009	Serial No. not yet assigned
List of Patents and Publications Cited by Application (Use several sheets if necessary)			
U.S. Department of Commerce Patent and Trademark Office		Applicant Brett P. Monia et al.	Filing Date herewith
			Group 1635
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AJ	Toyota et al., Association study on the <i>DUSP6</i> gene, an affective disorder candidate gene on 12q23, performed by using fluorescence resonance energy transfer-based melting curve analysis on the LightCycler, <i>Mol. Psychiatry</i> , 2000, 5:489-494	
EXAMINER	 DATE CONSIDERED 5-7-03		

Notice of References Cited		Application/Control No 10/199,221	Applicant(s)/Patent Under Reexamination MONIA ET AL	
		Examiner Janet L. Epps-Ford	Art Unit 1635	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,114,517	09-2000	Monia et al.	536/24.5
	B	US-6,436,642	08-2002	Gould-Rothberg et al.	435/6
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Agrawal et al. Antisense therapeutics: is it as simple as complementary base recognition? Molecular Medicine Today, February 2000, Vol. 6, pages 72-80.
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
 Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.